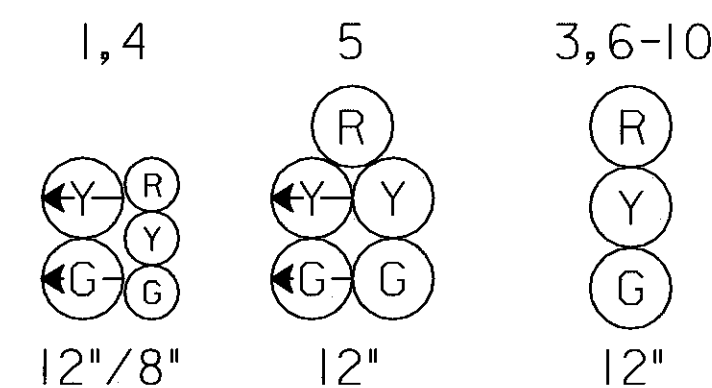


PROPOSED SIGNAL HEADS



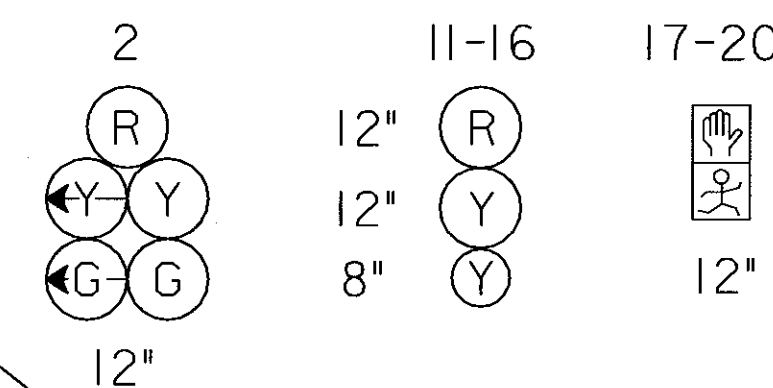
CONSTRUCTION DETAILS

- REMOVE AND DISPOSE OF EXISTING SIGNAL HEADS AND REPLACE WITH NEW BLACK FACED HEADS AS SHOWN
- INSTALL 2 IN. PVC ELECTRICAL CONDUIT SCHEDULE 80 (TRENCHED PRIOR TO MEDIAN CONSTRUCTION)
- INSTALL 6 FT. x 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPOLE TYPE
- INSTALL 8 FT. x 3 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS) TO BE INSTALLED BY OTHERS. THE CONTRACTOR MUST COORDINATE THE INSTALLATION OF RED LIGHT CAMERA LOOPS WITH CHARLES TURNER AT APS (410-365-1547), MR. MIKE MESTER AT DJR SIGNAL SYSTEMS (410)-442-1706.
- INSTALL 24 IN. WHITE HEAT-APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE
- REMOVE AND INSTALL NEW ELECTRICAL HANDHOLE. CUT CLEAN AND EXTEND EXISTING CONDUIT TO PROPOSED HANDHOLE
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE(S). SPLICE EXISTING 2-CONDUCTOR ALUMINUM SHIELDED ELECTRICAL CABLE TO NEW LOOP WIRE
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
- INSTALL MICROLOOP PROBE SETS

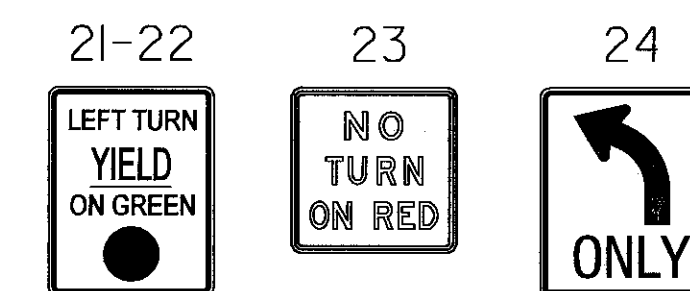
GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THIS PLAN ARE SCHEMATIC AND NOT CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES WILL BE LOCATED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE PERCEIVED.
- ADJUST SIGNAL HEADS AS NECESSARY
- THE CONTRACTOR IS TO REMOVE ALL ABANDONED CABLE
- THE COST TO EXTEND CONDUIT WILL BE INCIDENTAL TO THE COST TO INSTALL A NEW ELECTRICAL HANDHOLE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE SPLICE KITS FROM THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE TO THE PROPOSED LOOP WIRE AT THE EXISTING HANDHOLE. THERE WILL NO CHARGE TO THE STATE OF MARYLAND FOR THIS PART OF THE PROJECT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL INSTALL THE LOOP DETECTORS BEFORE THE FINAL SURFACE IS INSTALLED.

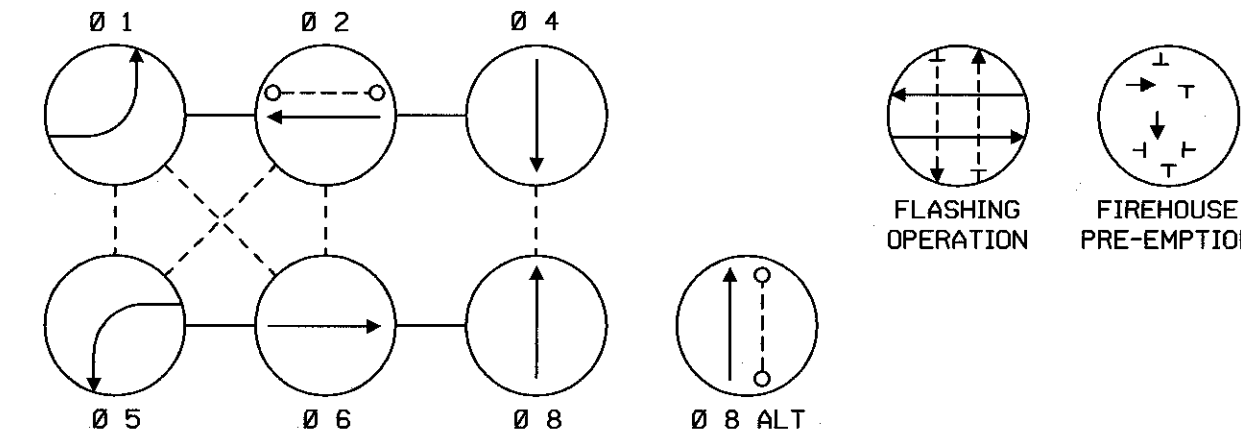
SIGNAL HEADS TO REMAIN



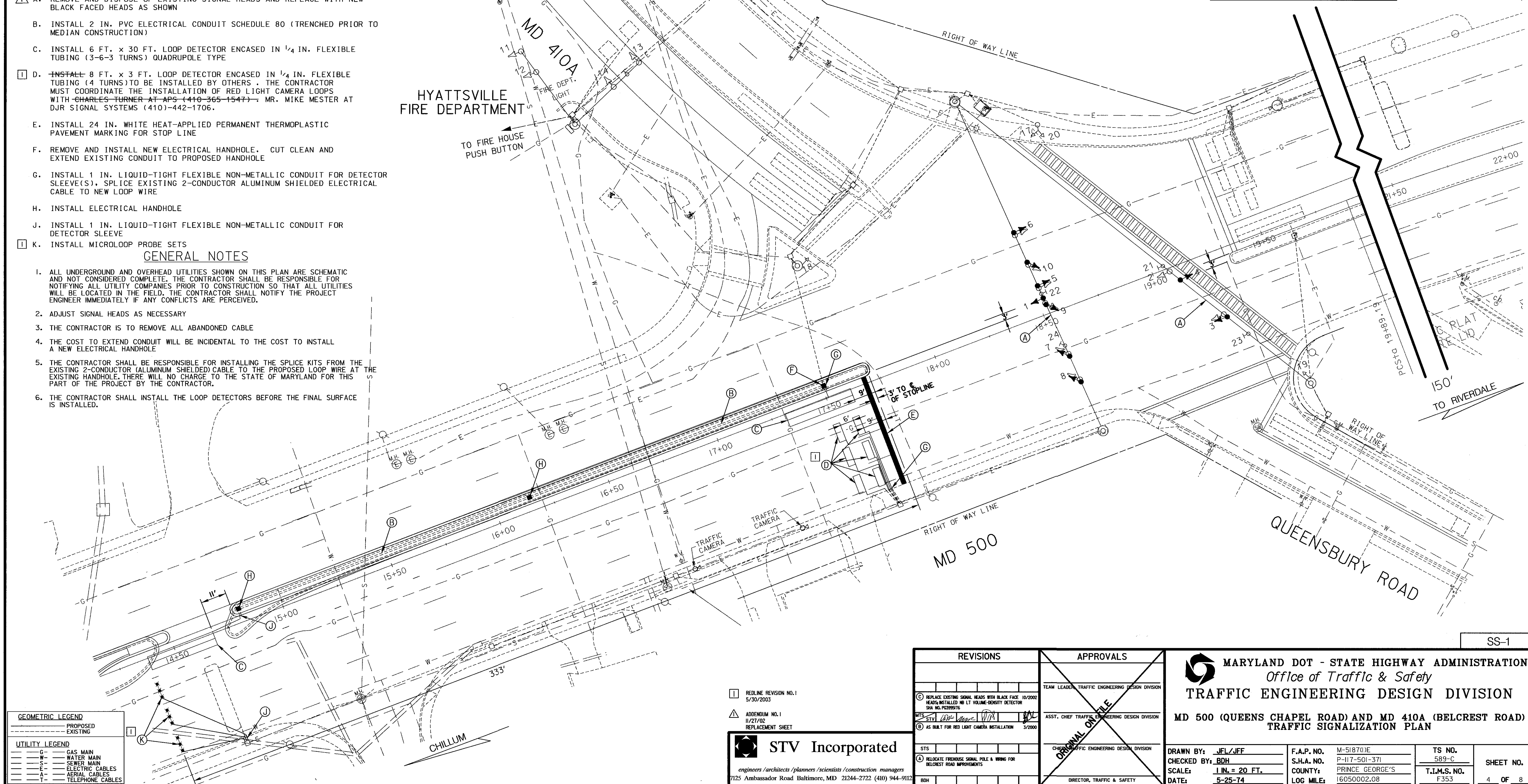
EXISTING SIGNS TO REMAIN



NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



GEOMETRIC LEGEND	
---	PROPOSED
---	EXISTING
UTILITY LEGEND	
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

- REDLINE REVISION NO. 1
5/30/2003
- ADDENDUM NO. 1
11/27/02
REPLACEMENT SHEET

STV Incorporated

engineers/architects/planners/scientists/construction managers
7125 Ambassador Road, Baltimore, MD 21244-2722 (410) 944-9112

REVISIONS	APPROVALS
<p>REPLACE EXISTING SIGNAL HEADS WITH BLACK FACE 10/2002 HEADS INSTALLED NO LT VOLUME-SENSIT DETECTOR SHA NO. PC039516</p> <p>AS BUILT FOR RED LIGHT CAMERA INSTALLATION 3/2000</p> <p>RELOCATE FIREHOUSE SIGNAL POLE & WIRING FOR BELCREST ROAD IMPROVEMENTS</p>	<p>TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>CHIEF TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>DIRECTOR, TRAFFIC & SAFETY</p>

<p>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>MD 500 (QUEENS CHAPEL ROAD) AND MD 410A (BELCREST ROAD) TRAFFIC SIGNALIZATION PLAN</p>			
<p>DRAWN BY: JEL/JFF</p> <p>CHECKED BY: BDH</p> <p>SCALE: 1 IN. = 20 FT.</p> <p>DATE: 5-25-74</p>	<p>F.A.P. NO. M-518701E</p> <p>S.H.A. NO. P-117-501-371</p> <p>COUNTY: PRINCE GEORGE'S</p> <p>LOG MILE: 16050002.08</p>	<p>TS NO. 589-C</p> <p>T.I.M.S. NO. F353</p>	<p>SHEET NO. 4 OF 8</p>